



# Dollar and Energy Saving Loans Certification of Window and Door Replacement

- Window and Door Descriptions to be Completed, IN FULL, by Contractor
- Responses Such As 'See Attached' or 'Unknown' Will Not be Accepted
- Provide Proof of Measured Performance♦ or Construction Features⊕

FORM  
**2**  
WINDOW/DOOR

Loan Applicant Name			Contractor/Business Name		Phone Number
Location or Address of Property to Receive Replacement Windows or Doors			Mailing Address		
City	State	Zip Code	City	State	Zip Code

## WINDOW AND DOOR DESCRIPTIONS

Manufacturer and Model Identification	Quantity and Dimensions	Check <input checked="" type="checkbox"/> Compliance by:		Estimated Cost
		Measured Performance	Construction Features	
Windows				Copy Total to Form 2, Line 8.
Sliding or swinging glass doors and ½-lite or more sidelites				
Exterior (slab) doors and ¼-lite or less sidelites	Provide dimensions AND area of glass or "No Glass"			Copy Total to Form 2, Line 9.

SHOW COMPLIANCE with Dollar & Energy Saving Loan Program requirements (see table below). **You must provide copies of manufacturer's documents proving that the particular window, door, or sidelite has the required measured performance or construction features.**

The "Construction Features⊕" method may ONLY be used for garage doors, commercial (store front) windows and sash replacements which have not been NFRC tested. All other windows, doors and sidelites must use NFRC Measured Performance♦ test data. A complete description of the product being provided must be included on either the bid or this form and must match the NFRC data or other manufacturer's documents (see instructions on back).

## DOLLAR AND ENERGY SAVING LOAN PROGRAM REQUIREMENTS

Measured Performance♦	Construction Features⊕ (Garage Doors, Commercial Windows and Sashes ONLY – Must Include ALL features)
Windows and glass doors and ½-lite or more sidelites Whole unit $R \geq 3.03$ or $U \leq 0.33$ Btu/hr-ft <sup>2</sup> -F	Commercial Windows and Sashes <b>Glazing</b> — At least two panes, one of which has a soft coat low-e coating, <0.05 <b>Fill Gas</b> — Argon, krypton, carbon dioxide, SF <sub>6</sub> or some combination of these <b>Frame</b> — Wood or vinyl, or aluminum with thermal breaks through all members
Exterior doors and ¼-lite or less sidelites Whole unit $R \geq 4.0$ or $U \leq 0.25$ Btu/hr-ft <sup>2</sup> -F	Garage Doors <b>Core</b> — Material has an insulating value of at least R-8.0 <b>Lites</b> — Double glazed (if any), and cover no more than 10 percent of the door surface area

## Signatures

## Nebraska Energy Office Use Only

I hereby certify, under penalty of perjury, that the information provided above is true, correct and complete.

**sign  
here**

Signature of Loan Applicant

Date

Signature of Window/Door Contractor

Date

**SUBMIT THIS FORM ALONG WITH FORM 2, YOUR WINDOW/DOOR BID(S) AND THE DOCUMENTATION IDENTIFIED ABOVE TO A PARTICIPATING LENDER**

## INSTRUCTIONS, FORM 2 WINDOW/DOOR

**1.** Either the bid document or this form must contain a description of the windows, doors, and/or sidelites being provided. That description must match the description listed on the manufacturer's documents, NFRC data, and other data provided as proof of program compliance. The description should list the manufacturer of the window, model name or number, type of window, frame and sash material, number of panes of glass, whether any of the panes have a low-e coating, type of low-e, if there is a fill gas and the type of gas. A typical description might be "Worlds Best Window Co., Millennium 2000, Vertical Slider, vinyl clad wood, double pane, soft coat low-e, argon," or "Worlds Best Window Co., Steel Wood Edge Door, double pane low-e 1/4 lite." For units installed by the home owner, the description must be on the suppliers bid document.

**2.** Show program performance requirements are met for each brand, model, type and style of window. If a project includes a double pane window and a triple pane window, NFRC data for both a double pane and a triple pane window must be provided. NFRC documents must bear the name of the manufacturer listed on the contractor or supplier's bid documents. Because a certain manufacturer makes a second brand of window under another name, this does not insure that windows made for the second brand are made to the same specification as the brand shown on the NFRC documents. **FOR DOORS**, provide copy of manufacturer's literature picturing the door and depicting the glass area, if any, and the model number in addition to NFRC data.

**3.** When showing program compliance using the "construction features" method, provide copies of manufacturer's documents which show the features are an available option. Those features must be shown on the bid or this form as part of the agreement to the customer to provide those features. The construction features method is **ONLY** allowed on garage doors, commercial (store front) windows, and sash replacements, and **ONLY** when the product has not been NFRC tested.

**4.** Window/door/sidelite dimensions must be listed on this form and associated with the brands/models/types being provided.

**5.** The total rough opening area of existing windows, doors, and sidelites may NOT be increased under this program. Existing rough opening area may be decreased. (For replacing rough openings with solid panels or walls use Form 2, line 4)


**6.** NFRC U-values are total unit U-values, as opposed to Center of Glass (COG) U-values. Whole, or total unit U-values take into account the U-value of all components of a unit, while COG takes into account only the U-value of the glass. Total unit U-value can vary greatly between brands having the same or similar type glass. **Look for the NFRC sticker when your purchase arrives to ensure performance from your energy dollar.**

When using whole, or total unit U-values, the R-value can be found by dividing 1 by the U-value ( $R = 1/U$ ). Conversely, the U-value can be found by dividing 1 by the whole, or total unit R-value ( $U = 1/R$ ).

NFRC data for various windows can be viewed by visiting the NFRC web site at [www.nfrc.org](http://www.nfrc.org), and clicking on the Certified Products Directory search links. NFRC web data may be used as proof of compliance, however, the window description on the bid must then also contain the complete NFRC CPD#(s) specific to the product being provided, and manufacturer's documents must be provided directly connecting the CPD#(s) to the manufacturer's model and description.

 <p><b>World's Best Window Co.</b> Millennium 2000+ Vinyl-Clad Wood Frame Double Glazing • Argon Fill • Low E Product Type: <b>Vertical Slider</b></p>	
<b>ENERGY PERFORMANCE RATINGS</b>	
U-Factor (U.S./I-P)	Solar Heat Gain Coefficient
<b>0.30</b>	<b>0.32</b>
<b>ADDITIONAL PERFORMANCE RATINGS</b>	
Visible Transmittance	Air Leakage (U.S./I-P)
<b>0.51</b>	<b>0.2</b>
<small>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information. <a href="http://www.nfrc.org">www.nfrc.org</a></small>	

The particular window described on the sample NFRC label above has a U-factor of 0.30. Since this is less than the required U-factor of 0.33 listed in the table on the front of this form, this unit can be financed with a Dollar and Energy Saving Loan

 <p><b>World's Best Door Co.</b> Entrance Door CPD#000-x-000 Insulated Steel Wood Edge Door</p>				
<b>ENERGY PERFORMANCE RATINGS</b>				
Product Description* Default Frame**	U-Factor/Solar Heat Gain Coefficient (SHGC)			
	1/4 Lite ≤410†	1/2 Lite ≤900†	3/4 Lite ≤1100†	Full Lite ≥1100†
2/A1/na/AIR/0.250	0.23	0.30	0.36	0.40
2/A1/.020(3)/ARG/0.750	0.21	0.24	0.26	0.28
2/A1/na/AIR/0.675	0.23	0.28	0.33	0.34
3/S5/na/AIR/0.250	0.21	0.25	0.27	0.29
Flush/Embossed	U-Factor 0.19 SHGC 0.04			
<small>Manufacturer stipulates that these ratings conform to applicable NFRC procedures for determining whole product performance. NFRC ratings are determined for a fixed set of environmental conditions and a specific product size. NFRC does not recommend any product and does not warrant the suitability of any product for any specific use. Consult manufacturer's literature for other product performance information. * #glazing layers / spacer type / low-e emissivity (surface) / gap fill / gap width (na=not applicable) ** per NFRC 100 Section B3.24 † square inches <a href="http://www.nfrc.org">www.nfrc.org</a></small>				

Doors Comply ≤ 0.25 ← → Doors Do Not Comply

Two full lites Doors would comply as Patio Doors ≤ 0.33 →